



SHIFTING THE LIMITS

FTW 24-120 PRO TUBESHEET WELDER

/ MIG-MAG

/ Tube inside diameter 24 - 120 mm

(0.9 - 4.7 in)



/ The FTW PRO's range of use contains mainly areas where factors like less time effort, best quality and highest reproducibility are requested. For tube-to-tubesheet joints in heat exchangers or cooling elements these criteria are for utmost importance.

Innovations like the pneumatic clamping system or the hanging device simplify the operators work considerably and additionally decrease the time effort. Precise torch positioning is provided by the 3-point support – even at different tube protrusion.

/ COMPACT AND ERGONOMIC DESIGN

/ HIGHEST QUALITY

/ INCREASED PRODUCTIVITY

/ HIGHER REPRODUCIBILITY

/ TIME SAVINGS DUE TO FAST AND EASY POSITIONING

/ EASY OPERATION



TECHNICAL DATA

FTW 24-120 PRO (WELDING HEAD)

Tube inside diameter	24 - 120 mm (0.9 - 4.7 in)
Tube protrusion	8 - 35 mm (0.31 - 1.4 in)
Welding process	MIG/MAG
Rotary speed	0 - 10 rpm
Welding position	PA/PB/PG/PF
Weight (without mandrel/torch/hanging device)	9 kg (19.8 lb)

DIMENSIONS

A	927 mm (36.5 in)
B	798 mm (31.4 in)
C	563 mm (22.2 in)
D	258 mm (10.2 in)
E	205 mm (8.1 in)
F	468 mm (18.4 in)
G	248 mm (9.8 in)

MULTILOCK TORCH/FTW

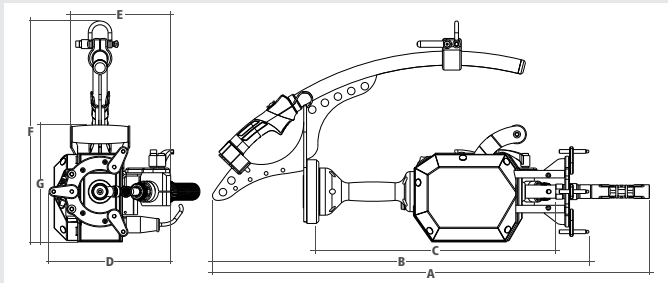
Welding current DC 60%/100%	250 A/200 A
Wire diameter	0,8 - 1,2 mm (0.031 - 0.047 in)
Elbow (customer specific angle on request)	20°/30°
Hose package length	2,5/3,5/4,5 m (98.4/137.8/177.2 in)

FCU/FTW (CONTROL UNIT)

Mains voltage, 50 - 60 Hz	230 V
Power consumption	300 VA
Control voltage	36 V DC
Mains cable with plug	5 m (197 in)
Control line for FTW	3 m (118 in)
Control line for power source	3 m (118 in)
Weight	9,7 kg (21.4 lb)

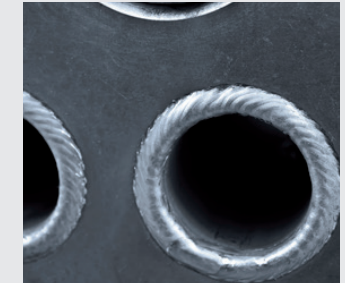
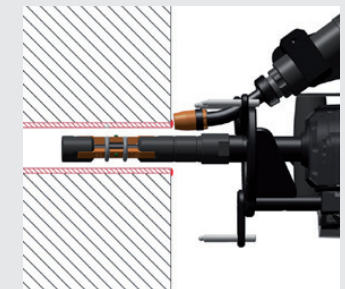
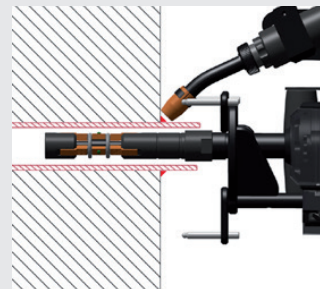
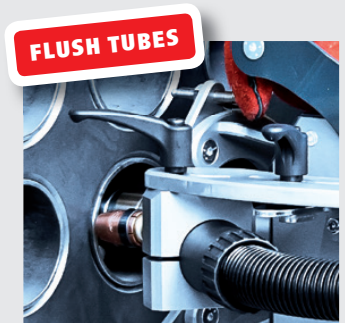
FRC-40/FTW (REMOTE CONTROL)

Dimension	275 x 195 x 85 mm (10.8 x 7.7 x 3.3 in)
Weight	2,45 kg (5.4 lb)



APPLICATION

/ Protruding tubes-to-tubesheets are welded via fillet weld in PB-position. The special torch with multilock allows a quick 180° rotation of the elbow for welding flush tubes in PA-position (recessed tube welding on request).



/ Battery Charging Systems / Welding Technology / Solar Electronics

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/ Whether Battery Charging Systems, Welding Technology or Solar Electronics - our goal is clearly defined: to be the technology and quality leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our more than 850 active patents are testimony to this. While others progress step by step, we innovate in leaps and bounds. Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com



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